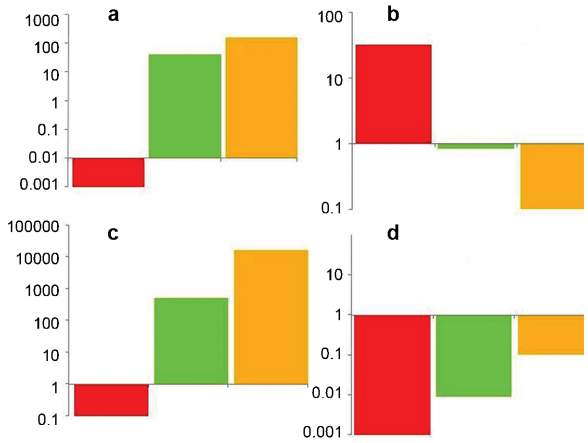
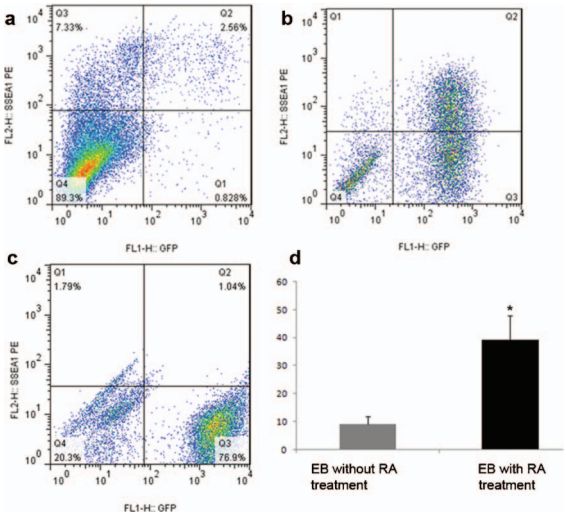
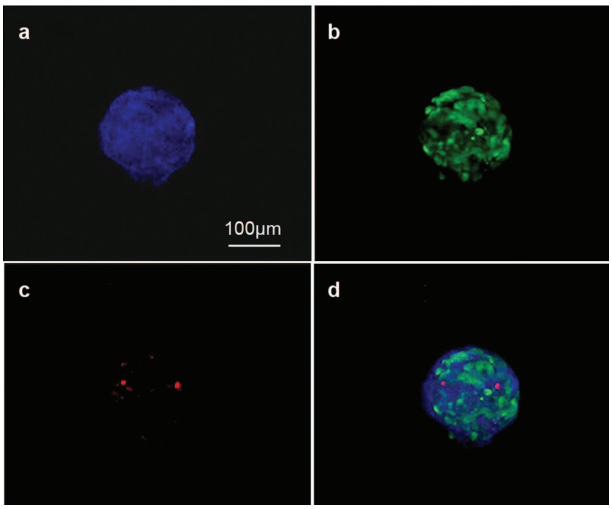


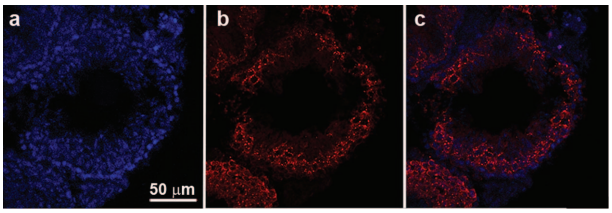
Supplemental Figure 1 Quantitative PCR (qPCR) showing the transcription levels of the genes *Oct4*, *Stra8*, *Vasa and Dazl* in induced pluripotent stem (iPS) cell-derived embryoid bodies (EBs) with (in green) or without (in yellow) retinoic acid (RA) treatment. Gene expressions in the control group (in red) of undifferentiated iPS cells are also shown.



Supplemental Figure 2 Flow cytometry analysis of SSEA1and green fluorescent protein (GFP) in mouse induced pluripotent stem (iPS)-derived germ cells. (**a**) Embryoid bodies (EBs) without retinoic acid (RA) treatment; (**b**) EBs with RA treatment for 3 days; (**c**) negative control; (**d**) significance of the difference between EBs with or without RA treatment for 3 days. Numbers in each quadrant indicate the percentage of cells (*P<0.05, t-test).



Supplemental Figure 3 Confocal microscopy showing the colocalisation of GFRα-1 and the green fluorescent protein (GFP) in induced pluripotent stem (iPS) cell-derived cells exposed to retinoic acid (RA) in *vitro*.



Supplemental Figure 4 Confocal microscopy showing VASA expression in normal mouse testes served as a positive control.